

DATE: 01/21/2004

TIME: 15:08:56

1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/502,498C

Input Set : A:\seq list 09502498.txt
Output Set: N:\CRF4\01202004\I502498C.raw

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3 <110> APPLICANT: Kilian, Andrzej
         Bowtell, David
  6 <120> TITLE OF INVENTION: VERTEBRATE TELOMERASE GENES AND PROTEINS AND USES
         THEREOF
  9 <130> FILE REFERENCE: 407C2
 11 <140> CURRENT APPLICATION NUMBER: 09/502,498C
 12 <141> CURRENT FILING DATE: 2000-02-11
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90 gtgtgccctg tacacaggcg aggaccctgc acctggatgg gggtccctgt gggtcaaatt 3900
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106 Pro Gln Gly Trp Arg Leu Val Gln Arg Gly Asp Pro Ala Ala Phe Arg
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Output Set: N:\CRF4\01202004\I502498C.raw

109 110	Ala	Leu 50		Ala	Gln	Cys	Leu 55		Cys	val	Pro	Trp		Ala	Arg	Pro
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116	i				85					90)				95	Val
119	1			100	1				105	,				110		Pro
122			115					120			Leu		125			
125		130					135					140		_	_	Val
128	145					150					155					Val 160
131					165					170					175	
134				180					185					190		Gly
137			195					200			Trp		205			
140		210					215				Pro	220				
142 143	Gly 225	Gly	Ser	Ala	Ser	Arg 230	Ser	Leu	Pro	Leu	Pro 235	Lys	Arg	Pro	Arg	Arg 240
145 146	Gly	Ala	Ala	Pro	Glu 245	Pro	Glu	Arg	Thr	Pro 250	Val	Gly	Gln	Gly	Ser 255	
148 149	Ala	His	Pro	Gly 260	Arg	Thr	Arg	Gly	Pro 265	Ser	Asp	Arg	Gly	Phe 270	Cys	Val
151 152	Val	Ser	Pro 275	Ala	Arg	Pro	Ala	Glu 280	Glu	Ala	Thr	Ser	Leu 285	Glu	Gly	Ala
154 155	Leu	Ser 290	Gly	Thr	Arg	His	Ser 295	His	Pro	Ser	Val	Gly 300	Arg	Gln	His	His
158	305					310					Arg 315					320
161					325					330	Phe				335	
164			•	340					345		Leu			350		
167			355					360			Thr		365			
170		370					375				Leu	380				
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176					405					410	Thr				415	Arg
180				420					425		Ala			430	Pro	
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PATENT APPLICATION: US/09/502,498C

Input Set : A:\seq list 09502498.txt
Output Set: N:\CRF4\01202004\I502498C.raw

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PATENT APPLICATION: US/09/502,498C

DATE: 01/21/2004 TIME: 15:08:56

Input Set : A:\seq list 09502498.txt
Output Set: N:\CRF4\01202004\I502498C.raw

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263 Arg Leu Val Asp Asp Phe Leu Leu Val Thr Pro His Leu Thr His Ala
                        875
                  870
266 Lys Thr Phe Leu Arg Thr Leu Val Arg Gly Val Pro Glu Tyr Gly Cys
                              890
      885
269 Val Val Asn Leu Arg Lys Thr Val Val Asn Phe Pro Val Glu Asp Glu
                            905
270
272 Ala Leu Gly Gly Thr Ala Phe Val Gln Met Pro Ala His Gly Leu Phe
           900
                        920
273 915
275 Pro Trp Cys Gly Leu Leu Leu Asp Thr Arg Thr Leu Glu Val Gln Ser
                                     940
                      935
278 Asp Tyr Ser Ser Tyr Ala Arg Thr Ser Ile Arg Ala Ser Leu Thr Phe
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                   950
281 Asn Arg Gly Phe Lys Ala Gly Arg Asn Met Arg Arg Lys Leu Phe Gly
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284 Val Leu Arg Leu Lys Cys His Ser Leu Phe Leu Asp Leu Gln Val Asn
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                             985
            980
287 Ser Leu Gln Thr Val Cys Thr Asn Ile Tyr Lys Ile Leu Leu Gln
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                        1000
288 995
290 Ala Tyr Arg Phe His Ala Cys Val Leu Gln Leu Pro Phe His Gln Gln
291 1010 1015
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293 Val Trp Lys Asn Pro Thr Phe Phe Leu Arg Val Ile Ser Asp Thr Ala
294 1025 1030 1035
 296 Ser Leu Cys Tyr Ser Ile Leu Lys Ala Lys Asn Ala Gly Met Ser Leu
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 299 Gly Ala Lys Gly Ala Ala Gly Pro Leu Pro Ser Glu Ala Val Gln Trp
 300 1060 1065
 302 Leu Cys His Gln Ala Phe Leu Leu Lys Leu Thr Arg His Arg Val Thr
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 305 Tyr Val Pro Leu Leu Gly Ser Leu Arg Thr Ala Gln Thr Gln Leu Ser
 306 1090 1095 1100
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 325 20
 327 Trp Ile Gln Lys Val Ile Arg Cys Arg Asn Gln Ser Gln Ser His Tyr
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 328 35
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RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/502,498C DATE: 01/21/2004 TIME: 15:08:57

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Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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